

Interface

Model MB and **NEW!** MBP

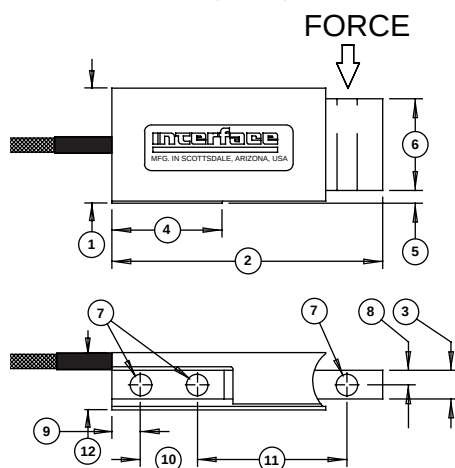
Why Interface MB load cells are the best in class:

- Proprietary Interface temperature compensated strain gages
- MBP overload protected
- Low height – 1 in.
- .0008%/°F temp effect on output



STANDARD CONFIGURATION

- 5 Ft Integral Cable (MB-nn)



SPECIFICATIONS

ACCURACY – (MAX ERROR)	MB	MBP
Nonlinearity–% FS	± 0.03	± 0.03
Hysteresis–% FS	± 0.02	± 0.02
Nonrepeatability–% RO	± 0.01	± 0.01
Creep, in 20 min.–%	± 0.025	± 0.025
TEMPERATURE		
Compensated Range–°F	0 to 150	0 to 150
Operating Range–°F	–65 to 200	–65 to 200
Effect on Output–%/°F – MAX	± 0.0008	± 0.0008
Effect on Zero–% RO/°F – MAX	± 0.0015	± 0.0015
ELECTRICAL		
Rated Output–mV/V (Nominal)	3.0	3.0
Zero Balance–% RO	± 1.0	± 1.0
Bridge Resistance–Ohm (Nominal)	350	350
Excitation Voltage – MAX	15 VDC	15 VDC
Insulation Resistance–Megohm	5000	5000
MECHANICAL		
Calibration	Comp.	Comp.
Safe Overload–% CAP	± 150	± 1000
Optional 10x on 5 lbf capacity		
Cable length–ft	5	5
Natural Frequency/Deflection:		
lbf	Deflection (inches)	Nat. Freq. (Hertz)
5	.005	950
10	.005	1300
25	.005	2250
50	.004	3300
75	.004	3900
100	.005	4000
150	.005	4750
250	.005	4400

DIMENSIONS

See Drawing	CAPACITY (lbf)													
	5, 10	Metric (KG) 1, 2 MBP only	25		50		75		100		150		250	
		inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
①	1.01	25.7	1.01	25.7	1.01	25.7	1.01	25.7	1.01	25.7	1.01	25.7	1.02	25.9
②	2.38	60.5	2.38	60.5	2.38	60.5	2.38	60.5	2.38	60.5	2.38	60.5	2.38	60.5
③	0.25	6.4	0.25	6.4	0.25	6.4	0.25	6.4	0.25	6.4	0.25	6.4	0.5	12.8
④	0.97	24.6	0.97	24.6	0.97	24.6	0.97	24.6	0.97	24.6	0.97	24.6	0.97	24.6
⑤	0.14	3.6	0.11	2.8	0.15	3.8	0.14	3.6	0.13	3.3	0.1	2.5	0.12	3
⑥	0.75	19.1	0.81	20.6	0.72	18.3	0.75	19.1	0.78	19.8	0.82	20.8	0.79	20.1
⑦	0.17	4.3	0.17	4.3	0.17	4.3	0.17	4.3	0.17	4.3	0.17	4.3	0.17	4.3
⑧	0.13	3.3	0.13	3.3	0.13	3.3	0.13	3.3	0.13	3.3	0.13	3.3	0.25	6.4
⑨	0.25	6.4	0.25	6.4	0.25	6.4	0.25	6.4	0.25	6.4	0.25	6.4	0.25	6.4
⑩	0.50	12.7	0.50	12.7	0.50	12.7	0.50	12.7	0.50	12.7	0.50	12.7	0.50	12.7
⑪	1.31	33.3	1.31	33.3	1.31	33.3	1.31	33.3	1.31	33.3	1.31	33.3	1.31	33.3
⑫	0.50	12.7	0.50	12.7	0.50	12.7	0.50	12.7	0.50	12.7	0.50	12.7	0.75	19.1